

Factoring  $\rightarrow$  opposite of  
multiplying polynomials!

1)  $(x+8)(x+3) \leftarrow$  Multiply!

2)  $x^2 + 11x + 24 \leftarrow$  Factor!

What do you notice about #1 & #2?

Factor:

3)  $x^2 + 7x + 6$

4)  $m^2 + 6m + 8$

5)  $x^2 - 11x + 24$

6)  $x^2 - 20x + 100$

7)  $r^2 - 16r + 64$

8)  $m^2 - 6m - 16$

9)  $a^2 - 8a - 20$

10)  $b^2 + 8b + 6$